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NNN      NNN      CCCCCCCCCCCCCC  PPPPPPPPPPPPP
NNN      NNN      CCCCCCCCCCCCCC  PPPPPPPPPPPPP
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NNN      NNN      CCC              PPP              PPP
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NN      NN      CCCCCCCC      PPPPPPP      SSSSSSSS      TTTTTTTTTT      AAAAAA      NN      NN      000000      DDDDDDDD
NN      NN      CCCCCCCC      PPPPPPP      SSSSSSSS      TTTTTTTTTT      AAAAAA      NN      NN      000000      DDDDDDDD
NN      NN      CC      PP      PP      SS      TT      AA      AA      NN      NN      00      00      DD      DD
NN      NN      CC      PP      PP      SS      TT      AA      AA      NN      NN      00      00      DD      DD
NNNN      NN      CC      PP      PP      SS      TT      AA      AA      NNNN      NN      00      00      DD      DD
NNNN      NN      CC      PP      PP      SS      TT      AA      AA      NNNN      NN      00      00      DD      DD
NN      NN      CC      PPPPPPP      SSSSSS      TT      AA      AA      NN      NN      00      00      DD      DD
NN      NN      CC      PPPPPPP      SSSSSS      TT      AA      AA      NN      NN      00      00      DD      DD
NN      NNNN      CC      PP      SS      TT      AAAAAAAAAA      NN      NNNN      00      00      DD      DD
NN      NNNN      CC      PP      SS      TT      AAAAAAAAAA      NN      NNNN      00      00      DD      DD
NN      NN      CC      PP      SS      TT      AA      AA      NN      NN      00      00      DD      DD
NN      NN      CC      PP      SS      TT      AA      AA      NN      NN      00      00      DD      DD
NN      NN      CC      PP      SS      TT      AA      AA      NN      NN      00      00      DD      DD
NN      NN      CCCCCCCC      PP      SSSSSSSS      TT      AA      AA      NN      NN      000000      DDDDDDDD
NN      NN      CCCCCCCC      PP      SSSSSSSS      TT      AA      AA      NN      NN      000000      DDDDDDDD

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LL      IIIIII      SSSSSSSS
LL      IIIIII      SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
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LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLLLL      IIIIII      SSSSSSSS

```

```
0001 0 %TITLE 'Node Parameter Parse States and Data'
0002 0 MODULE NCPSTANOD(IDENT = 'V04-000', LIST(NOOBJECT)) =
0003 1 BEGIN
0004 1
0005 1
0006 1 *****
0007 1 *
0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0018 1 *
0019 1 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0020 1 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0021 1 * CORPORATION.
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0023 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0024 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
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0027 1 *****
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0030 1 ++
0031 1 FACILITY: Network Control Program (NCP)
0032 1
0033 1 ABSTRACT:
0034 1
0035 1 States and data for the parsing of NCP node parameters
0036 1 This includes the set node and set executor commands.
0037 1
0038 1 ENVIRONMENT: VAX/VMS Operating System
0039 1
0040 1 AUTHOR: Darrell Duffy , CREATION DATE: 10-September-79
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 V03-018 PRD0099 Paul R. DeStefano 30-Apr-1984
0045 1 Change Node Address prompt string so that the range
0046 1 indicated in the prompt includes areas.
0047 1
0048 1 V03-017 PRD0045 Paul R. DeStefano 05-Jan-1984
0049 1 Add SERVICE NODE VERSION parameter.
0050 1
0051 1 V03-016 TMH0016 Tim Halvorsen 13-Jul-1983
0052 1 Add EXECUTOR ALIAS parameter.
0053 1
0054 1 V03-015 RPG0015 Bob Grosso 14-Mar-83
0055 1 Change HWA to NIADR from NADR.
0056 1
0057 1 V03-014 RPG0014 Bob Grosso 18-Feb-83
```



58	0058	1	Make TYPE NONROUTING default to NONROUTING IV.
59	0059	1	Remove PROXY and add "REQUIRED" to DEFAULT PROXY values.
60	0060	1	Add EXEC FORWARDING BUFFER SIZE.
61	0061	1	
62	0062	1	V03-013 RPG0013 Bob Grosso 08-Nov-82
63	0063	1	Fix SET EXEC NODE ADDRESS to accept areas.
64	0064	1	Change EXEC MAX AREA to EXEC MAX AREAS.
65	0065	1	
66	0066	1	V03-012 RPG0012 Bob Grosso 20-Jul-82
67	0067	1	Repair SET/DEF EXEC MAX * which was broken by
68	0068	1	insertion of broadcast noiseword.
69	0069	1	Alter NODE TYPE handling so that III or IV must be
70	0070	1	explicitly stated.
71	0071	1	
72	0072	1	V03-011 RPG0011 Bob Grosso 07-Jul-82
73	0073	1	Add support for NI. Add new type codes.
74	0074	1	
75	0075	1	V010 TMH0010 Tim Halvorsen 09-Mar-1982
76	0076	1	Change prompting, so that only "essential" and
77	0077	1	"important" parameters are prompted for.
78	0078	1	Change PROXY parameter to PROXY ACCESS.
79	0079	1	
80	0080	1	V009 TMH0009 Tim Halvorsen 31-Dec-1981
81	0081	1	Add DMF32 as a service device.
82	0082	1	
83	0083	1	V008 TMH0008 Tim Halvorsen 18-Dec-1981
84	0084	1	Add EXECUTOR DEFAULT PROXY and NODE PROXY parameters.
85	0085	1	
86	0086	1	V007 TMH0007 Tim Halvorsen 16-Nov-1981
87	0087	1	Add prompting for DUMP FILE parameter.
88	0088	1	
89	0089	1	V006 TMH0006 Tim Halvorsen 23-Oct-1981
90	0090	1	Fix parsing of NODE ACCESS parameter to send correct
91	0091	1	NICE parameter code.
92	0092	1	
93	0093	1	V005 TMH0005 Tim Halvorsen 15-Aug-1981
94	0094	1	Add DMP, DMV and DPV service devices
95	0095	1	Add PIPELINE QUOTA, DEFAULT ACCESS executor parameters.
96	0096	1	Add ACCESS node parameter.
97	0097	1	
98	0098	1	V004 TMH0004 Tim Halvorsen 13-Jul-1981
99	0099	1	Add NODE SUBADDRESSES parameter.
100	0100	1	Change MAXIMUM LINES to MAXIMUM CIRCUITS.
101	0101	1	Change SERVICE LINE to SERVICE CIRCUIT.
102	0102	1	Change LINE (loop line) to CIRCUIT.
103	0103	1	
104	0104	1	V003 TMH0003 Tim Halvorsen 22-Jun-1981
105	0105	1	Change BUILD_SDB reference to use full entity type field.
106	0106	1	
107	0107	1	V02-002 LMK0001 Len Kowell 30-Dec-1980
108	0108	1	Updated parameter value ranges.
109	0109	1	--

```
.. 111 0110 1 %SBTTL 'Definitions'
.. 112 0111 1
.. 113 0112 1
.. 114 0113 1 ! INCLUDE FILES:
.. 115 0114 1 !
.. 116 0115 1
.. 117 0116 1 LIBRARY 'LIB$NMALIBRY';
.. 118 0117 1 LIBRARY 'LIB$NCPLIBRY';
.. 119 0118 1 LIBRARY 'SYS$LIBRARY:TPAMAC';
.. 120 0119 1
.. 121 0120 1 !
.. 122 0121 1 ! EXTERNAL REFERENCES:
.. 123 0122 1 !
.. 124 0123 1
.. 125 0124 1 ACT_DFN ! Action routine externals
.. 126 0125 1
.. 127 0126 1 EXTERNAL ROUTINE
.. 128 0127 1
.. 129 0128 1 ACT$EXECQ ! Is the component the executor node?
.. 130 0129 1 ;
.. 131 0130 1
```

```
133 0131 1 %SBTTL 'Parameter blocks'
134 0132 1
135 0133 1
136 0134 1
137 0135 1
138 0136 1
139 0137 1
140 0138 1
141 0139 1
142 0140 1
143 P 0141 1
144 P P 0142 1
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189 P P 0187 1
```

Parameter Blocks for NODE parameters

BUILD\_PCL  
(NOD,

STA, NUMB,	PCNO_STA, .
ID, TKNQ,	PCNO_IDE, .
SLN, TKN,	PCNO_SLI, .
SPW, HXPS,	PCNO_SPA, .
SDV, NUMB,	PCNO_SDV, .
CPU, NUMB,	PCNO_CPU, .
SNV, NUMB,	PCNO_SNV, .
HWA, NIADR,	PCNO_HWA, .
LFL, TKN,	PCNO_LOA, .
SLF, TKN,	PCNO_SLO, .
TLF, TKN,	PCNO_TLO, .
DGF, TKN,	PCNO_DFL, .
STY, NUMB,	PCNO_STY, .
SID, TKNQ,	PCNO_SID, .
DFL, TKN,	PCNO_DUM, .
SDF, TKN,	PCNO_SDU, .
DAD, NUML,	PCNO_DAD, .
DCT, NUML,	PCNO_DCT, .
HOS, NADR,	PCNO_IHO, .
CTM, NUMW,	PCNO_CTI, .
NAM, TKN,	PCNO_NNA, .
LIN, TKN,	PCNO_NLI, .
ADR, AADR,	PCNO_ADD, .
INT, NUMW,	PCNO_ITI, .
OTM, NUMW,	PCNO_OTI, .
MLK, NUMW,	PCNO_MLK, .
DFC, NUMB,	PCNO_DFA, .
DWT, NUMB,	PCNO_DWE, .
IAT, NUMW,	PCNO_IAT, .
RFC, NUMW,	PCNO_RFA, .

! EXECUTOR parameters

TYP, NUMB,	PCNO_ETY, .
RTM, NUMW,	PCNO_RTI, .
SAD, SAD,	PCNO_SAD, .
BRT, NUMW,	PCNO_BRT, .
MAD, NUMW,	PCNO_MAD, .
MLN, NUMW,	PCNO_MLN, .
MCO, NUMW,	PCNO_MCO, .
MHP, NUMB,	PCNO_MHO, .
MVS, NUMB,	PCNO_MVI, .
MAR, NUMB,	PCNO_MAR, .

! Originally a NUMW but must handle area now

! (X.25 only)



```
.. 190 P 0188 1 MBE, NUMW, PCNO_MBE, ,
... 191 P 0189 1 MBR, NUMW, PCNO_MBR, ,
... 192 P 0190 1 AMC, NUMW, PCNO_AMC, ,
... 193 P 0191 1 AMH, NUMB, PCNO_AMH, ,
... 194 P 0192 1 MBF, NUMW, PCNO_MBU, ,
... 195 P 0193 1 BSZ, NUMW, PCNO_BUS, ,
... 196 P 0194 1 FBS, NUMW, PCNO_FBS, ,
... 197 P 0195 1 SBS, NUMW, PCNO_SBS, ,
... 198 P 0196 1
... 199 P 0197 1 NUS, TKNQ, PCNO_NUS, ,
200 P 0198 1 NAC, TKNQ, PCNO_NAC, ,
201 P 0199 1 NPW, TKNQ, PCNO_NPW, ,
202 P 0200 1 PUS, TKNQ, PCNO_PUS, ,
203 P 0201 1 PAC, TKNQ, PCNO_PAC, ,
204 P 0202 1 PPW, TKNQ, PCNO_PPW, ,
205 P 0203 1 ACC, NUMB, PCNO_ACC, ,
206 P 0204 1 DAC, NUMB, PCNO_DAC, ,
207 P 0205 1 PIQ, NUMW, PCNO_PIQ, ,
208 P 0206 1 ALI, AADR, PCNO_ALI, ,
209 P 0207 1 DPX, NUMB, PCNO_DPX, ,
210 P 0208 1
211 P 0209 1 RPW, TKNQ, PCNO_RPA, ,
212 P 0210 1 TPW, TKNQ, PCNO_TPA, ,
213 P 0211 1
214 P 0212 1
215 P 0213 1 , END, , ,
... 216 P 0214 1 )
```

```
218      0215 1
219      P 0216 1      BUILD_PBK
220      P 0217 1      (NOD,
221      P 0218 1
222      P 0219 1
223      P 0220 1      CTM, NUMW, . . .
224      P 0221 1      SLN, TKN, . . .
225      P 0222 1      SPW, HXPS, . . .
226      P 0223 1      LFL, TKN, . . .
227      P 0224 1      SLF, TKN, . . .
228      P 0225 1      TLF, TKN, . . .
229      P 0226 1      DFL, TKN, . . .
230      P 0227 1      SDF, TKN, . . .
231      P 0228 1      HOS, NADR, . . .
232      P 0229 1      NAM, TKN, . . .
233      P 0230 1      LIN, TKN, . . .
234      P 0231 1      ADR, AADR, . . . ! Originally a NUMW but must handle area now
235      P 0232 1      RPW, TKNQ, . . .
236      P 0233 1      TPW, TKNQ, . . .
237      P 0234 1      SDVP, LITB, NMASC_SOFD_DP, NOD_SDV,
238      P 0235 1      SDVUN, LITB, NMASC_SOFD_UNA, NOD_SDV,
239      P 0236 1      SDVU, LITB, NMASC_SOFD_DU, NOD_SDV,
240      P 0237 1      SDVL, LITB, NMASC_SOFD_DL, NOD_SDV,
241      P 0238 1      SDVQ, LITB, NMASC_SOFD_DQ, NOD_SDV,
242      P 0239 1      SDVA, LITB, NMASC_SOFD_DA, NOD_SDV,
243      P 0240 1      SDVUP, LITB, NMASC_SOFD_DUP, NOD_SDV,
244      P 0241 1      SDVMC, LITB, NMASC_SOFD_DMC, NOD_SDV,
245      P 0242 1      SDVTE, LITB, NMASC_SOFD_DTE, NOD_SDV,
246      P 0243 1      SDVKL, LITB, NMASC_SOFD_KL8, NOD_SDV,
247      P 0244 1      SDVMP, LITB, NMASC_SOFD_DMP, NOD_SDV,
248      P 0245 1      SDVMV, LITB, NMASC_SOFD_DMV, NOD_SDV,
249      P 0246 1      SDVPV, LITB, NMASC_SOFD_DPV, NOD_SDV,
250      P 0247 1      SDVMF, LITB, NMASC_SOFD_DMF, NOD_SDV,
251      P 0248 1
252      P 0249 1      CPUB, LITB, NMASC_CPU_8, NOD_CPU,
253      P 0250 1      CPU11, LITB, NMASC_CPU_11, NOD_CPU,
254      P 0251 1      CPU10, LITB, NMASC_CPU_1020, NOD_CPU,
255      P 0252 1      VAX, LITB, NMASC_CPU_VAX, NOD_CPU,
256      P 0253 1
257      P 0254 1      STSL, LITB, NMASC_SOFT_SECL, NOD_STY,
258      P 0255 1      STTL, LITB, NMASC_SOFT_TERL, NOD_STY,
259      P 0256 1      STOS, LITB, NMASC_SOFT_OSYS, NOD_STY,
260      P 0257 1
261      P 0258 1      SNVPH3, LITB, NMASC_NODSNV_PH3, NOD_SNV,
262      P 0259 1      SNVPH4, LITB, NMASC_NODSNV_PH4, NOD_SNV,
263      P 0260 1
264      P 0261 1      SID, TKNQ, . . .
265      P 0262 1      DAD, NUML, . . .
266      P 0263 1      DCT, NUML, . . .
267      P 0264 1      NAC, TKNQ, . . .
268      P 0265 1      NPW, TKNQ, . . .
269      P 0266 1      NUS, TKNQ, . . .
270      P 0267 1      PAC, TKNQ, . . .
271      P 0268 1      PPW, TKNQ, . . .
272      P 0269 1      PUS, TKNQ, . . .
273      P 0270 1
274      P 0271 1      ACCNON, LITB, NMASC_ACES_NONE, NOD_ACC,
```



```

: 275 P 0272 1 ACCINC, LITB, NMASC_ACES_INCO, NOD_ACC,
: 276 P 0273 1 ACCOUT, LITB, NMASC_ACES_OUTG, NOD_ACC,
: 277 P 0274 1 ACCBOT, LITB, NMASC_ACES_BOTH, NOD_ACC,
: 278 P 0275 1
: 279 P 0276 1 DACNON, LITB, NMASC_ACES_NONE, NOD_DAC,
: 280 P 0277 1 DACINC, LITB, NMASC_ACES_INCO, NOD_DAC,
: 281 P 0278 1 DACOUT, LITB, NMASC_ACES_OUTG, NOD_DAC,
: 282 P 0279 1 DACBOT, LITB, NMASC_ACES_BOTH, NOD_DAC,
: 283 P 0280 1
: 284 P 0281 1 DPXNON, LITB, NMASC_ACES_NONE, NOD_DPX,
: 285 P 0282 1 DPXINC, LITB, NMASC_ACES_INCO, NOD_DPX,
: 286 P 0283 1 DPXOUT, LITB, NMASC_ACES_OUTG, NOD_DPX,
: 287 P 0284 1 DPXBOT, LITB, NMASC_ACES_BOTH, NOD_DPX,
: 288 P 0285 1 DPXREQ, LITB, NMASC_ACES_REQU, NOD_DPX,
: 289 P 0286 1
: 290 0287 1 )

```

```
292 0288 1
293 P 0289 1 BUILD_PBK
294 P 0290 1
295 P 0291 1 (NOD, ! Executor parameters
296 P 0292 1
297 P 0293 1 BSZ, NUMW, . .
298 P 0294 1 DFC, NUMB, . .
299 P 0295 1 DWT, NUMB, . .
300 P 0296 1 ID, TKNQ, . .
301 P 0297 1 IAT, NUMW, . .
302 P 0298 1 INT, NUMW, . .
303 P 0299 1 MAD, NUMW, . .
304 P 0300 1 MBF, NUMW, . .
305 P 0301 1 MCO, NUMW, . .
306 P 0302 1 MHP, NUMB, . .
307 P 0303 1 MVS, NUMB, . .
308 P 0304 1 MLN, NUMW, . .
309 P 0305 1 MLK, NUMW, . .
310 P 0306 1 OTM, NUMW, . .
311 P 0307 1 RFC, NUMW, . .
312 P 0308 1 RTM, NUMW, . .
313 P 0309 1 SAD, SAD, . .
314 P 0310 1 HWA, NIADR, . .
315 P 0311 1 DGF, TKN, . .
316 P 0312 1
317 P 0313 1 BRT, NUMW, . .
318 P 0314 1 MAR, NUMB, . .
319 P 0315 1 MBE, NUMW, . .
320 P 0316 1 MBR, NUMW, . .
321 P 0317 1 AMC, NUMW, . .
322 P 0318 1 AMH, NUMB, . .
323 P 0319 1 FBS, NUMW, . .
324 P 0320 1 SBS, NUMW, . .
325 P 0321 1
326 P 0322 1 STAON, LITB, NMASC_STATE_ON, NOD_STA,
327 P 0323 1 STAOFF, LITB, NMASC_STATE_OFF, NOD_STA,
328 P 0324 1 STARST, LITB, NMASC_STATE_RES, NOD_STA,
329 P 0325 1 STASHT, LITB, NMASC_STATE_SHU, NOD_STA,
330 P 0326 1
331 P 0327 1 TYPROT, LITB, NMASC_NODTY_ROU, NOD_TYP,
332 P 0328 1 TYPNRT, LITB, NMASC_NODTY_NON, NOD_TYP,
333 P 0329 1 TYPPH2, LITB, NMASC_NODTY_PHA, NOD_TYP,
334 P 0330 1 TYPARE, LITB, NMASC_NODTY_AREA, NOD_TYP,
335 P 0331 1 TYPRT4, LITB, NMASC_NODTY_RT4, NOD_TYP,
336 P 0332 1 TYPNR4, LITB, NMASC_NODTY_NR4, NOD_TYP,
337 P 0333 1
338 P 0334 1 PIQ, NUMW, . .
339 P 0335 1 ALI, AADR, . .
340 P 0336 1
341 P 0337 1 )
342 P 0338 1 BUILD_SDB
343 P 0339 1
344 P 0340 1
345 0341 1 (NOD, NMASC_ENT_NOD, VRB_ENT, NOD)
```

```
347 0342 1 %SBTTL 'Prompt strings'
348 0343 1
349 0344 1
350 0345 1
351 0346 1
352 0347 1
353 0348 1
354 0349 1
355 0350 1
356 0351 1
357 0352 1
358 0353 1
359 0354 1
360 0355 1
361 0356 1
362 0357 1
363 0358 1
364 0359 1
365 0360 1
366 0361 1
367 0362 1
368 0363 1
369 0364 1
370 0365 1
371 0366 1
372 0367 1
373 0368 1
374 0369 1
375 0370 1
376 0371 1
377 0372 1
378 0373 1
379 0374 1
380 0375 1
381 0376 1
382 0377 1
383 0378 1
384 0379 1
385 0380 1
386 0381 1
387 0382 1

Prompt strings for node parameters

!BIND

PROMPT_STRINGS
(NOD,
CTM, 'Counter timer (1-65535 seconds): ',
CPU, 'Processor type (PDP11, DECSYS, VAX): ',
SDV, 'Service device (DL, UNA, DU, DUP, DMC, DMP): ',
SNV, 'Service node version (PHASE III, PHASE IV): ',
STY, 'Software type (SEC, TER, SYS): ',
SID, 'Software id (16 characters): ',
DAD, 'Dump address (0-FFFFFFFF hex): ',
DCT, 'Dump count (1-2^32): ',
LIN, 'Connecting circuit (dev-c-u.t): ',
HOS, 'Host node id (node-name, address): ',
SLN, 'Service circuit (16 characters): ',
SPW, 'Service password (1-8 hex digits): ',
LFL, 'File to load (filename): ',
SLF, 'Secondary loader (filename): ',
TLF, 'Tertiary loader (filename): ',
DFL, 'File to contain dump (filename): ',
SDF, 'Secondary dumper (filename): ',
RPW, 'Receive password (1-8 characters): ',
TPW, 'Transmit password (1-8 characters): ',
NAC, 'Nonpriv account (1-39 characters): ',
NPW, 'Nonpriv password (1-39 characters): ',
NUS, 'Nonpriv user id (1-39 characters): ',
PAC, 'Priv account (1-39 characters): ',
PPW, 'Priv password (1-39 characters): ',
PUS, 'Priv user id (1-39 characters): ',
ACC, %STRING(
'Access (INCOMING, OUTGOING,
BOTH, NONE): '),
)
:
```



```
389 0383 1
390 0384 1
391 0385 1
392 0386 1
393 0387 1
394 0388 1 BIND
395 P 0389 1
396 P 0390 1
397 P 0391 1
398 P 0392 1
399 P 0393 1
400 P 0394 1
401 P 0395 1
402 P 0396 1
403 P 0397 1
404 P 0398 1
405 P 0399 1
406 P 0400 1
407 P 0401 1
408 P 0402 1
409 P 0403 1
410 P 0404 1
411 P 0405 1
412 P 0406 1
413 P 0407 1
414 P 0408 1
415 P 0409 1
416 P 0410 1
417 P 0411 1
418 P 0412 1
419 P 0413 1
420 P 0414 1
421 P 0415 1
422 P 0416 1
423 P 0417 1
424 P 0418 1
425 P 0419 1
426 0420 2
427 0421 1

Prompt strings for executor parameters

PROMPT_STRINGS
(NOD,
ADR, 'Node address (1-1-63.1023): ',
BSZ, 'Buffer size (1-16384 bytes): ',
DFC, 'Delay factor (16-255): ',
DWT, 'Delay weight (0-255): ',
ID, 'System id string (32 characters): ',
IAI, 'Inactivity timer (1-65535 seconds): ',
INT, 'Incoming timer (1-65535 seconds): ',
MAD, 'Maximum address (1-255): ',
MBF, 'Maximum buffers (1-65535): ',
MCO, 'Maximum cost (1-1022): ',
MHP, 'Maximum hops (1-30): ',
MLN, 'Maximum circuits (1-64): ',
MLK, 'Maximum links (1-1023): ',
MVS, 'Maximum visits (1-255): ',
NAM, 'Node name (1-6 characters): ',
OTM, 'Outgoing timer (1-65535 seconds): ',
RFC, 'Retransmit factor (1-255): ',
RTM, 'Routing timer (1-65535 seconds): ',
SAD, 'Subaddresses (Range-list): ',
STA, 'State (ON, OFF, SHUT, RESTRICTED): ',
DAC, %STRING(
'Default link access (INCOMING, ',
'OUTGOING, BOTH, NONE): '),
DPX, %STRING(
'Default proxy access (INCOMING, ',
'OUTGOING, BOTH, NONE, REQUIRED): '),
PIQ, 'Pipeline quota (0-65535 bytes): ',
)
;
```

```
429 0422 1 %SBTTL 'State Table for Node Parameters'
430 0423 1
431 0424 1 $INIT_STATE (NCP$G_STTBL_NOD, NCP$G_KYTBL_NOD);
432 0425 1
433 0426 1
434 0427 1
435 0428 1
436 0429 1
437 P 0430 1 $STATE (ST_NOD,
438 P 0431 1 ( (SE_ALL), ST_NOD_DOIT), ! All parameter
439 P 0432 1 (TPAS_EOS, , ACT$PMT_ON), ! Prompt if no keywords
440 P 0433 1 (TPAS_LAMBDA, ST_NOD_PRC, ACT$PMT_OFF) ! Process keywords
441 0434 1 );
442 0435 1
443 P 0436 1 $STATE (
444 P 0437 1 (TPAS_LAMBDA, ST_EXE_PMT, ACT$EXECQ, , , PDB$G_VRB_ENT),
445 P 0438 1 (TPAS_LAMBDA)
446 0439 1 );
447 0440 1
448 0441 1
449 0442 1
450 0443 1
451 P 0444 1 PROMPT_STATES
452 P 0445 1 (NOD,
453 P 0446 1
454 P 0447 1 ADR, NAM
455 P 0448 1
456 0449 1 )
457 0450 1
458 P 0451 1 $STATE (
459 P 0452 1 (TPAS_LAMBDA, ST_NOD_DOIT)
460 0453 1 );
461 0454 1
462 P 0455 1 $STATE (ST_EXE_PMT,
463 P 0456 1 (TPAS_LAMBDA)
464 0457 1 );
465 0458 1
466 0459 1
467 0460 1
468 0461 1
469 0462 1
470 P 0463 1 $STATE (ST_EXE_PMT_ADR,
471 P 0464 1 (TPAS_LAMBDA, , ACT$PRMPT, , , PMT$G_NOD_ADR)
472 0465 1 );
473 0466 1
474 P 0467 1 $STATE (
475 P 0468 1 (TPAS_SYMBOL, ST_NOD_DOIT, ACT$PMTDONEQ),
476 P 0469 1 ((ST_NOD_ADR)),
477 P 0470 1 (TPAS_EOS),
478 P 0471 1 (TPAS_LAMBDA, ST_EXE_PMT_ADR, ACT$SIGNAL, , , NCP$_INVVAL)
479 0472 1 );
480 0473 1
481 P 0474 1 PROMPT_STATES
482 P 0475 1 (NOD,
483 P 0476 1
484 P 0477 1 STA, ID,
485 P 0478 1 BSZ, MAD, MBF, MCO, MNP, MLN, MVS, PIQ
```

NCPSTANOD  
V04-000

Node Parameter Parse States and Data  
State Table for Node Parameters

C 2  
16-Sep-1984 01:17:08  
14-Sep-1984 12:48:31

VAX-11 Bliss-32 V4.0-742  
[NCP.SRC]NCPSTANOD.B32;1

Page 12  
(8)

..	486	P	0479	1	
..	487		0480	1	)
..	488		0481	1	
..	489		0482	1	
..	490	P	0483	1	\$STATE (ST NOD DOIT,
..	491	P	0484	1	(TPAS_EOS, TPAS_EXIT, ACT\$VRB_UTILITY, . . , SDB\$G_NOD),
..	492		0485	1	);



```
494 0486 1 %SBTTL 'Dispatch States'
495 0487 1
496 0488 1
497 0489 1
498 0490 1
499 0491 1
500 P 0492 1 $STATE (ST_NOD_PRC,
501 P 0493 1
502 P 0494 1 DISPATCH_STATES
503 P 0495 1 (NOD,
504 P 0496 1
505 P 0497 1 ACC, 'ACCESS',
506 P 0498 1 ADR, 'ADDRESS',
507 P 0499 1 ALI, 'ALIAS',
508 P 0500 1 ARE, 'AREA',
509 P 0501 1 BRO, 'BROADCAST',
510 P 0502 1 BSZ, 'BUFFER',
511 P 0503 1 CPU, 'CPU',
512 P 0504 1 MCO, 'COST',
513 P 0505 1 CTM, 'COUNTER',
514 P 0506 1 DEF, 'DEFAULT',
515 P 0507 1 DLY, 'DELAY',
516 P 0508 1 DGF, 'DIAGNOSTIC',
517 P 0509 1 DUM, 'DUMP',
518 P 0510 1 FOR, 'FORWARDING',
519 P 0511 1 HWA, 'HARDWARE',
520 P 0512 1 MHP, 'HOPS',
521 P 0513 1 MOS, 'HOST',
522 P 0514 1 ID, 'IDENTIFICATION',
523 P 0515 1 IAT, 'INACTIVITY',
524 P 0516 1 INT, 'INCOMING',
525 P 0517 1 LIN, 'CIRCUIT',
526 P 0518 1 LFL, 'LOAD',
527 P 0519 1 MLK, 'LINKS',
528 P 0520 1 MAX, 'MAXIMUM',
529 P 0521 1 NAM, 'NAME',
530 P 0522 1 NPR, 'NONPRIVILEGED',
531 P 0523 1 OTM, 'OUTGOING',
532 P 0524 1 PIQ, 'PIPELINE',
533 P 0525 1 PRV, 'PRIVILEGED',
534 P 0526 1 RPW, 'RECEIVE',
535 P 0527 1 RFC, 'RETRANSMIT',
536 P 0528 1 RTM, 'ROUTING',
537 P 0529 1 SEC, 'SECONDARY',
538 P 0530 1 SEG, 'SEGMENT',
539 P 0531 1 SVC, 'SERVICE',
540 P 0532 1 SOF, 'SOFTWARE',
541 P 0533 1 STA, 'STATE',
542 P 0534 1 SAD, 'SUBADDRESSES',
543 P 0535 1 TLF, 'TERTIARY',
544 P 0536 1 TPW, 'TRANSMIT',
545 P 0537 1 TYP, 'TYPE',
546 P 0538 1 SNV, 'VERSION',
547 P 0539 1 MVS, 'VISITS',
548 P 0540 1
549 P 0541 1
550 P 0542 1 )
      (TPAS_EOS, ST_NOD_DOIT)
```

NCPSTANOD  
V04-000

Node Parameter Parse States and Data  
Dispatch States

E 2  
16-Sep-1984 01:17:08  
14-Sep-1984 12:48:31

VAX-11 Bliss-32 V4.0-742  
[NCP.SRC]NCPSTANOD.B32;1

Page 14  
(9)

: 551

0543 1 );

NC  
VO

```
553      0544 1
554 P 0545 1 $STATE (ST_NOD_PRC_ARE,      ! AREA keyword dispatch
555 P 0546 1
556 P 0547 1      ('MAXIMUM'),
557 P 0548 1      (TPAS_LAMBDA)
558      0549 1      );
559      0550 1
560 P 0551 1 $STATE (
561 P 0552 1      ('COST', ST_NOD_PRC_AMC),
562 P 0553 1      ('HOPS', ST_NOD_PRC_AMH)
563      0554 1      );
564      0555 1
565      0556 1
566 P 0557 1 $STATE (ST_NOD_PRC_BRO,      ! BROADCAST keyword dispatch
567 P 0558 1
568 P 0559 1      ('ROUTING', ST_NOD_PRC_BRT), ! routing is a noise word
569 P 0560 1      ('TIMER', ST_NOD_PRC_BRT), ! timer is a noise word
570      0561 1      (TPAS_LAMBDA, ST_NOD_PRC_BRT)
571      0562 1      );
572      0563 1
573 P 0564 1 $STATE (ST_NOD_PRC_FOR,      ! FORWARDING keyword dispatch
574 P 0565 1
575 P 0566 1      ('BUFFER', ST_NOD_PRC_FBS), ! buffer is a noise word
576 P 0567 1      ('SIZE', ST_NOD_PRC_FBS), ! size is a noise word
577      0568 1      (TPAS_LAMBDA, ST_NOD_PRC_FBS)
578      0569 1      );
579      0570 1
580 P 0571 1 $STATE (ST_NOD_PRC_SEC,      ! SECONDARY keyword dispatch
581 P 0572 1
582 P 0573 1      DISPATCH_STATES
583 P 0574 1      (NOD,
584 P 0575 1
585 P 0576 1      SDF, 'DUMPER',
586 P 0577 1      SLF, 'LOADER',
587      0578 1
588      0579 1      ));
589      0580 1
590 P 0581 1 $STATE (ST_NOD_PRC_SEG,      ! SEGMENT keyword dispatch
591 P 0582 1
592 P 0583 1      ('BUFFER', ST_NOD_PRC_SBS), ! buffer is a noise word
593 P 0584 1      ('SIZE', ST_NOD_PRC_SBS), ! size is a noise word
594      0585 1      (TPAS_LAMBDA, ST_NOD_PRC_SBS)
595      0586 1      );
596      0587 1
597 P 0588 1 $STATE (ST_NOD_PRC_SVC,      ! SERVICE keyword dispatch
598 P 0589 1
599 P 0590 1      DISPATCH_STATES
600 P 0591 1      (NOD,
601 P 0592 1
602 P 0593 1      SDV, 'DEVICE',
603 P 0594 1      SLN, 'CIRCUIT',
604 P 0595 1      SNV, 'NODE',
605      0596 1      SPW, 'PASSWORD',
606      0597 1      ));
607      0598 1
608      0599 1
609 P 0600 1 $STATE (ST_NOD_PRC_MAX,      ! MAXIMUM
```



```
610 P 0601 1 ('BROADCAST'),
611 P 0602 1 (TPAS_LAMBDA)
612 P 0603 1 );
613 P 0604 1
614 P 0605 1 $STATE (,
615 P 0606 1
616 P 0607 1 DISPATCH_STATES
617 P 0608 1 (NOD,
618 P 0609 1
619 P 0610 1 MAD, 'ADDRESS',
620 P 0611 1 MAR, 'AREAS',
621 P 0612 1 MBF, 'BUFFERS',
622 P 0613 1 MLN, 'CIRCUITS',
623 P 0614 1 MCO, 'COST',
624 P 0615 1 MMP, 'HOPS',
625 P 0616 1 MLK, 'LINKS',
626 P 0617 1 MBE, 'NONROUTERS',
627 P 0618 1 MBR, 'ROUTERS',
628 P 0619 1 MVS, 'VISITS',
629 P 0620 1
630 P 0621 1 ));
631 P 0622 1
632 P 0623 1 $STATE (ST_NOD_PRC_DEF, ! DEFAULT keyword dispatch
633 P 0624 1
634 P 0625 1 DISPATCH_STATES
635 P 0626 1 (NOD,
636 P 0627 1
637 P 0628 1 DAC, 'ACCESS',
638 P 0629 1 DPX, 'PROXY',
639 P 0630 1
640 P 0631 1 ));
641 P 0632 1
642 P 0633 1 $STATE (ST_NOD_PRC_DLY, ! DELAY keyword dispatch
643 P 0634 1
644 P 0635 1 DISPATCH_STATES
645 P 0636 1 (NOD,
646 P 0637 1
647 P 0638 1 DFC, 'FACTOR',
648 P 0639 1 DWT, 'WEIGHT',
649 P 0640 1
650 P 0641 1 ));
651 P 0642 1
652 P 0643 1 $STATE (ST_NOD_PRC_DUM, ! DUMP keyword dispatch
653 P 0644 1
654 P 0645 1 DISPATCH_STATES
655 P 0646 1 (NOD,
656 P 0647 1
657 P 0648 1 DAD, 'ADDRESS',
658 P 0649 1 DCT, 'COUNT',
659 P 0650 1 DFL, 'FILE',
660 P 0651 1
661 P 0652 1 ));
662 P 0653 1
663 P 0654 1 $STATE (ST_NOD_PRC_SOF, ! SOFTWARE keyword dispatch
664 P 0655 1
665 P 0656 1 DISPATCH_STATES
666 P 0657 1 (NOD,
```

```
! Make a noise word of the BROADCAST
! in MAX BROADCAST ROUTERS and
! MAX BROADCAST NONROUTERS
```

NCPSTANOD  
V04-000

Node Parameter Parse States and Data  
Dispatch States

H 2  
16-Sep-1984 01:17:08  
14-Sep-1984 12:48:31

VAX-11 BLISS-32 V4.0-742  
[NCP.SRC]NCPSTANOD.B32;1

Page 17  
(10)

..	667	P	0658	1	
..	668	P	0659	1	SID, 'IDENTIFICATION',
..	669	P	0660	1	STY, 'TYPE',
..	670	P	0661	1	
..	671		0662	1	));

```
673 0663 1
674 0664 1
675 0665 1
676 0666 1
677 0667 1
678 P 0668 1 $STATE (ST_NOD_PRC_NPR,
679 P 0669 1 ('ACCOUNT', ST_NOD_PRC_NAC),
680 P 0670 1 ('PASSWORD', ST_NOD_PRC_NPW),
681 P 0671 1 ('USER', ST_NOD_PRC_NUS),
682 P 0672 1 (TPAS_LAMBDA, ST_NOD_PRC_T);
683 0673 1
684 0674 1
685 P 0675 1 $STATE (ST_NOD_PRC_NAC,
686 P 0676 1 ( (ST_NOD_NAC), ST_NOD_PRC_NPR)
687 0677 1
688 0678 1
689 P 0679 1 $STATE (ST_NOD_PRC_NPW,
690 P 0680 1 ( (ST_NOD_NPW), ST_NOD_PRC_NPR)
691 0681 1
692 0682 1
693 P 0683 1 $STATE (ST_NOD_PRC_NUS,
694 P 0684 1 ( (ST_NOD_NOS), ST_NOD_PRC_NPR)
695 0685 1
696 0686 1
697 0687 1
698 0688 1
699 0689 1
700 0690 1
701 P 0691 1 $STATE (ST_NOD_PRC_PRV,
702 P 0692 1 ('ACCOUNT', ST_NOD_PRC_PAC),
703 P 0693 1 ('PASSWORD', ST_NOD_PRC_PPW),
704 P 0694 1 ('USER', ST_NOD_PRC_PUS),
705 P 0695 1 (TPAS_LAMBDA, ST_NOD_PRC_T);
706 0696 1
707 0697 1
708 P 0698 1 $STATE (ST_NOD_PRC_PAC,
709 P 0699 1 ( (ST_NOD_PAC), ST_NOD_PRC_PRV)
710 0700 1
711 0701 1
712 P 0702 1 $STATE (ST_NOD_PRC_PPW,
713 P 0703 1 ( (ST_NOD_PPW), ST_NOD_PRC_PRV)
714 0704 1
715 0705 1
716 P 0706 1 $STATE (ST_NOD_PRC_PUS,
717 P 0707 1 ( (ST_NOD_POS), ST_NOD_PRC_PRV)
718 0708 1
```



```
720 0709 1 XSBTTL 'Process States'
721 0710 1
722 0711 1
723 0712 1
724 0713 1
725 0714 1
726 P 0715 1
727 P 0716 1
728 P 0717 1
729 P 0718 1
730 P 0719 1
731 P 0720 1
732 P 0721 1
733 P 0722 1
734 P 0723 1
735 P 0724 1
736 P 0725 1
737 P 0726 1
738 P 0727 1
739 P 0728 1
740 P 0729 1
741 P 0730 1
742 P 0731 1
743 P 0732 1
744 P 0733 1
745 P 0734 1
746 P 0735 1
747 P 0736 1
748 P 0737 1
749 P 0738 1
750 P 0739 1
751 P 0740 1
752 P 0741 1
753 P 0742 1
754 P 0743 1
755 P 0744 1
756 P 0745 1
757 P 0746 1
758 P 0747 1
759 P 0748 1
760 P 0749 1
761 P 0750 1
762 P 0751 1
763 P 0752 1
764 P 0753 1
765 P 0754 1
766 P 0755 1
767 P 0756 1
768 P 0757 1
769 P 0758 1
770 P 0759 1
771 P 0760 1
772 P 0761 1
773 P 0762 1
774 P 0763 1
775 P 0764 1
776 P 0765 1
```

Node parameter process states

PROCESS\_STATES  
(NOD,

BRT, 'TIMER',  
CPU,  
HWA, 'ADDRESS',  
CTM, 'TIMER',  
DAD, ,  
DCT, ,  
DFL, ,  
DGF, 'FILE',  
FBS, 'SIZE',  
HOS, ,  
LIN, ,  
LFL, 'FILE',  
RPW, 'PASSWORD',  
SBS, 'SIZE',  
SDF, ,  
SLF, ,  
SDV, ,  
SID, ,  
SLN, ,  
SNV, 'VERSION',  
SPW, ,  
STY, ,  
TLF, 'LOADER',  
TPW, 'PASSWORD',  
ACC, ,

! Executor parameters

ADR, ,  
AMC, ,  
AMH, ,  
BSZ, 'SIZE',  
DFC, ,  
DWT, ,  
ID, ,  
IAT, 'TIMER',  
INT, 'TIMER',  
MAD, ,  
MBF, ,  
MCO, ,  
MHP, ,  
MLN, ,  
MLK, ,  
MAR, ,  
MBE, ,  
MBR, ,  
MVS, ,  
NAM, ,

NCPSTANOD  
V04-000

Node Parameter Parse States and Data  
Process States

K 2  
16-Sep-1984 01:17:08  
14-Sep-1984 12:48:31

VAX-11 Bliss-32 V4.0-742  
[NCP.SRC]NCPSTANOD.B32;1

Page 20  
(12)

777	P	0766	1	OTM,	'TIMER'
778	P	0767	1	RFC,	'FACTOR'
779	P	0768	1	RTM,	'TIMER'
780	P	0769	1	SAD,	
781	P	0770	1	STA,	
782	P	0771	1	TYP,	
783	P	0772	1	DAC,	
784	P	0773	1	DPX,	
785	P	0774	1	PIQ,	'QUOTA'
786	P	0775	1	ALI,	'ADDRESS'
787	P	0776	1		
788		0777	1	)	

NCP  
V04

```
790      0778 1 %SBTTL 'Define Subexpressions'
791      0779 1
792      0780 1
793      0781 1
794      0782 1
795      0783 1
796      P 0784 1
797      P 0785 1
798      P 0786 1
799      P 0787 1
800      P 0788 1
801      P 0789 1
802      P 0790 1
803      P 0791 1
804      P 0792 1
805      P 0793 1
806      P 0794 1
807      P 0795 1
808      P 0796 1
809      P 0797 1
810      P 0798 1
811      P 0799 1
812      P 0800 1
813      P 0801 1
814      P 0802 1
815      P 0803 1
816      P 0804 1
817      P 0805 1
818      P 0806 1
819      P 0807 1
820      P 0808 1
821      P 0809 1
822      P 0810 1
823      P 0811 1
824      P 0812 1
825      P 0813 1
826      P 0814 1
827      P 0815 1
828      P 0816 1
829      0817 1

Node parameter subexpressions

SUB_EXPRESSIONS

(NOD,
ADR, (SE_NODE_ADR),
BRT, TPAS_DECIMAL,
CTM, TPAS_DECIMAL,
DAD, TPAS_HEX,
DCT, TPAS_DECIMAL,
DFL, (SE_FILE_ID),
DGF, (SE_FILE_ID),
FBS, TPAS_DECIMAL,
HWA, (SE_AI_ADR),
HOS, (SE_NODE_ID),
LIN, (SE_CIRC_ID),
LFL, (SE_FILE_ID),
NAM, (SE_NODE_NAM),
RPW, (SE_NSP_PSW),
SBS, TPAS_DECIMAL,
SDF, (SE_FILE_ID),
SID, (SE_SOFT_ID),
SLF, (SE_FILE_ID),
SLN, (SE_CIRC_ID),
SPW, (SE_HEX_PSW),
TLF, (SE_FILE_ID),
TPW, (SE_NSP_PSW),
NAC, (SE_ACC_ACC),
NPW, (SE_ACC_PSW),
NUS, (SE_ACC_USR),
PAC, (SE_ACC_ACC),
PPW, (SE_ACC_PSW),
PUS, (SE_ACC_USR),
)
```

Address	Operation	Operand 1	Operand 2	Comment
831		0818	1	
832		0819	1	
833		0820	1	
834		0821	1	
835		0822	1	
836	P	0823	1	
837	P P	0824	1	
838	P P	0825	1	
839	P P	0826	1	
840	P P	0827	1	
841	P P	0828	1	
842	P P	0829	1	
843	P P	0830	1	
844	P P	0831	1	
845	P P	0832	1	
846	P P	0833	1	
847	P P	0834	1	
848	P P	0835	1	
849	P P	0836	1	
850	P P	0837	1	
851	P P	0838	1	
852	P P	0839	1	
853	P P	0840	1	
854	P P	0841	1	
855	P P	0842	1	
856	P P	0843	1	
857	P P	0844	1	
858	P P	0845	1	
859	P P	0846	1	
860	P P	0847	1	
861	P P	0848	1	
862	P P	0849	1	
863	P P	0850	1	
864	P P	0851	1	
865	P P	0852	1	
866	P P	0853	1	
867	P P	0854	1	
868	P P	0855	1	
869	P P	0856	1	
870	P P	0857	1	
871	P P	0858	1	
872	P P	0859	1	
873	P P	0860	1	
874		0861	1	

Executor parameter subexpressions

SUB EXPRESSIONS

(NOB,

AMC, TPAS\_DECIMAL,

AMH, TPAS\_DECIMAL,

BSZ, TPAS\_DECIMAL,

DFC, TPAS\_DECIMAL,

DWT, TPAS\_DECIMAL,

ID, (SE\_EXE\_ID),

IAT, TPAS\_DECIMAL,

INT, TPAS\_DECIMAL,

MAD, TPAS\_DECIMAL,

MBF, TPAS\_DECIMAL,

MCO, TPAS\_DECIMAL,

MHP, TPAS\_DECIMAL,

MLN, TPAS\_DECIMAL,

MLK, TPAS\_DECIMAL,

MAR, TPAS\_DECIMAL,

MBE, TPAS\_DECIMAL,

MBR, TPAS\_DECIMAL,

MVS, TPAS\_DECIMAL,

OTM, TPAS\_DECIMAL,

RFC, TPAS\_DECIMAL,

RTM, TPAS\_DECIMAL,

SAD, (SE\_SUBADR\_RANGE),

PIQ, TPAS\_DECIMAL,

ALI, (SE\_NODE\_ADR),

TYPNRT, TPAS\_LAMBDA,

TYPROT, TPAS\_LAMBDA,

TYPPH2, TPAS\_LAMBDA,

TYPARE, TPAS\_LAMBDA,

TYPRT4, TPAS\_LAMBDA,

TYPNR4, TPAS\_LAMBDA,

SNVPH3, TPAS\_LAMBDA,

SNVPH4, TPAS\_LAMBDA,

)



```
.. 876      0862 1
.. 877      0863 1
.. 878      0864 1
.. 879      0865 1
.. 880      0866 1
.. 881 P 0867 1 $STATE (ST_NOD_DAC,          ! Executor default access
.. 882 P 0868 1
.. 883 P 0869 1 KEYWORD_STATE
.. 884 P 0870 1 (NOD,
.. 885 P 0871 1
.. 886 P 0872 1 DACNON, 'NONE',
.. 887 P 0873 1 DACINC, 'INCOMING',
.. 888 P 0874 1 DACOUT, 'OUTGOING',
.. 889 P 0875 1 DACBOT, 'BOTH',
.. 890      0876 1 ));
.. 891      0877 1
.. 892 P 0878 1 $STATE (ST_NOD_ACC,          ! Node access
.. 893 P 0879 1
.. 894 P 0880 1 KEYWORD_STATE
.. 895 P 0881 1 (NOD,
.. 896 P 0882 1
.. 897 P 0883 1 ACCNON, 'NONE',
.. 898 P 0884 1 ACCINC, 'INCOMING',
.. 899 P 0885 1 ACCOUT, 'OUTGOING',
.. 900 P 0886 1 ACCBOT, 'BOTH',
.. 901      0887 1 ));
```

```

: 903      0888 1
: 904      0889 1
: 905      0890 1      Parse DEFAULT PROXY value.
: 906      0891 1
: 907      0892 1
: 908      P 0893 1 $STATE (ST_NOD_DPX,      ! Executor default proxy access
: 909      P 0894 1
: 910      P 0895 1      KEYWORD_STATE
: 911      P 0896 1      (NOD,
: 912      P 0897 1
: 913      P 0898 1      DPXNON, 'NONE',
: 914      P 0899 1      DPXINC, 'INCOMING',
: 915      P 0900 1      DPXOUT, 'OUTGOING',
: 916      P 0901 1      DPXBOT, 'BOTH',
: 917      P 0902 1      DPXREQ, 'REQUIRED',
: 918      0903 1      ));

```

```
..... 920      0904      1
..... 921      0905      1
..... 922      0906      1      Subexpression to capture NSP password
..... 923      0907      1
..... 924      0908      1
..... 925      P 0909      1 $STATE (SE_NSP_PSW,
..... 926      P 0910      1      ( (SE_QOOT_STR), TPA$EXIT, ACT$STR_LEN, . . , LEN_NSP_PSW)
..... 927      0911      1      );
..... 928      0912      1
..... 929      0913      1
..... 930      0914      1
..... 931      0915      1      Service Node Version types
..... 932      0916      1
..... 933      0917      1
..... 934      P 0918      1 $STATE (ST_NOD_SNV,
..... 935      P 0919      1      ('PHASE',          ST_NOD_SNVPHA),
..... 936      P 0920      1      );
..... 937      0921      1
..... 938      0922      1
..... 939      P 0923      1 $STATE (ST_NOD_SNVPHA,
..... 940      P 0924      1      ('III',          ST_NOD_SNVPH3),
..... 941      P 0925      1      ('IV',          ST_NOD_SNVPH4),
..... 942      0926      1      );
..... 943      0927      1
..... 944      0928      1
..... 945      0929      1      Executor ID string
..... 946      0930      1
..... 947      0931      1
..... 948      P 0932      1 $STATE (SE_EXE_ID,
..... 949      P 0933      1      ( (SE_QOOT_STR), TPA$EXIT, ACT$STR_LEN, . . , LEN_ID_STR)
..... 950      0934      1      );
..... 951      0935      1
..... 952      0936      1
..... 953      0937      1      Special process states
..... 954      0938      1
..... 955      0939      1
..... 956      P 0940      1 $STATE (ST_NOD_STA,          ! State of the local node
..... 957      P 0941      1
..... 958      P 0942      1      KEYWORD_STATE
..... 959      P 0943      1      (NOD,
..... 960      P 0944      1
..... 961      P 0945      1      STAOFF, 'OFF',
..... 962      P 0946      1      STAON, 'ON',
..... 963      P 0947      1      STARSF, 'RESTRICTED',
..... 964      P 0948      1      STASHT, 'SHUT',
..... 965      P 0949      1
..... 966      P 0950      1      )
..... 967      0951      1      );
..... 968      0952      1
..... 969      P 0953      1 $STATE (ST_NOD_TYP,          ! Type of node
..... 970      P 0954      1
..... 971      P 0955      1      ('NONROUTING', ST_NOD_TYPNON),
..... 972      P 0956      1      ('PHASE',          ST_NOD_TYPPHA),
..... 973      P 0957      1      ('ROUTING',          ST_NOD_TYPROU),
..... 974      P 0958      1      ('AREA',          ST_NOD_TYPARE)
..... 975      0959      1      );
..... 976      0960      1
```

```

: 977
: 978
: 979
: 980
: 981
: 982
: 983
: 984
: 985
: 986
: 987
: 988
: 989
: 990
: 991

P 0961 1 $STATE (ST_NOD_TYPPHA,
P 0962 1 ('IT', ST_NOD_TYPPH2)
P 0963 1 $STATE (ST_NOD_TYPPHA,
P 0964 1 ('IT', ST_NOD_TYPPH2)
P 0965 1 $STATE (ST_NOD_TYPPHA,
P 0966 1 ('IT', ST_NOD_TYPPH2)
P 0967 1 $STATE (ST_NOD_TYPPHA,
P 0968 1 ('IT', ST_NOD_TYPPH2)
P 0969 1 $STATE (ST_NOD_TYPPHA,
P 0970 1 ('IT', ST_NOD_TYPPH2)
P 0971 1 $STATE (ST_NOD_TYPPHA,
P 0972 1 ('IT', ST_NOD_TYPPH2)
P 0973 1 $STATE (ST_NOD_TYPPHA,
P 0974 1 ('IT', ST_NOD_TYPPH2)
P 0975 1 $STATE (ST_NOD_TYPPHA,
P 0976 1 ('IT', ST_NOD_TYPPH2)
P 0977 1 $STATE (ST_NOD_TYPPHA,
P 0978 1 ('IT', ST_NOD_TYPPH2)
P 0979 1 $STATE (ST_NOD_TYPPHA,
P 0980 1 ('IT', ST_NOD_TYPPH2)
P 0981 1 $STATE (ST_NOD_TYPPHA,
P 0982 1 ('IT', ST_NOD_TYPPH2)
P 0983 1 $STATE (ST_NOD_TYPPHA,
P 0984 1 ('IT', ST_NOD_TYPPH2)
P 0985 1 $STATE (ST_NOD_TYPPHA,
P 0986 1 ('IT', ST_NOD_TYPPH2)
P 0987 1 $STATE (ST_NOD_TYPPHA,
P 0988 1 ('IT', ST_NOD_TYPPH2)
P 0989 1 $STATE (ST_NOD_TYPPHA,
P 0990 1 ('IT', ST_NOD_TYPPH2)
P 0991 1 $STATE (ST_NOD_TYPPHA,
P 0992 1 ('IT', ST_NOD_TYPPH2)
P 0993 1 $STATE (ST_NOD_TYPPHA,
P 0994 1 ('IT', ST_NOD_TYPPH2)
P 0995 1 $STATE (ST_NOD_TYPPHA,
P 0996 1 ('IT', ST_NOD_TYPPH2)
P 0997 1 $STATE (ST_NOD_TYPPHA,
P 0998 1 ('IT', ST_NOD_TYPPH2)
P 0999 1 $STATE (ST_NOD_TYPPHA,
P 1000 1 ('IT', ST_NOD_TYPPH2)

```



```

: 993      0976 1 %SBTTL 'Define Subexpressions from Library'
: 994      0977 1
: 995      0978 1
: 996      0979 1
: 997      0980 1
: 998      0981 1
: 999      0982 1
1000      0983 1
1001      0984 1
1002      0985 1
1003      0986 1
1004      0987 1
1005      0988 1
1006      0989 1
1007      0990 1
1008      0991 1
: 1009      0992 1

                Invoke Macros to Define Subexpressions

                SEM_ALL           | All parameter
                SEM_NODE_ID      | Node id, address and name
                SEM_NI_ADR       | NI address, with or without dashes
                SEM_LOAD (NOD)   | Special load parameter decoding
                SEM_ACCESS       | Access control strings
                SEM_FILE_ID      | File ID
                SEM_HEX_PSW      | Hex Password
                SEM_CIRC_ID      | Circuit ID
                SEM_LINE_ID      | Line ID
                SEM_QUOT_STR     | Quoted string
                SEM_SUBADR_RANGE | Subaddress range
```

NCPSTANOD  
V04-000

Node Parameter Parse States and Data  
Object Listing of Parse Table

F 3  
16-Sep-1984 01:17:08  
14-Sep-1984 12:48:31

VAX-11 Bliss-32 V4.0-742  
[NCP.SRC]NCPSTANOD.B32;1

Page 28  
(19)

: 1011  
: 1012  
: 1013

0993 1 %SBTTL 'Object Listing of Parse Table'  
0994 1 END  
0995 0 ELUDOM



0271 AH-BT13A-SE  
VAX/VMS V4.0

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